

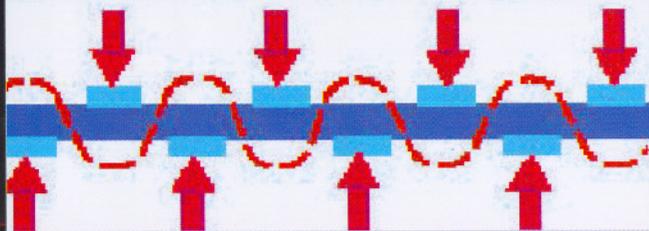
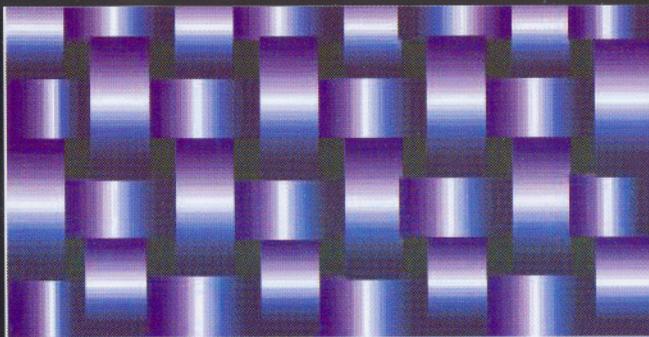
SLADE GASKET SHEET

Woven metallic Reinforced Graphite Foil

LEAF SPRING TECHNOLOGY IN A GASKET SHEET

Advantages:

- New graphite technology
- Flat stainless steel Leaf Springs
- Generates resilience during thermal cycles
- Springs respond to expansion & contraction
- Takes physical abuse, handles & feels like leather
- Covered with graphite surface nodules that flow into oxidized surfaces & scratches
- Eliminates spiral leak path of spiral wound gaskets
- Die-cuts very well
- Scissors provided with sheet for hand cutting, avoid using circle cutters
- Temperatures to 1800°F/1000°C
- Pressures to 4500psi/310Bar



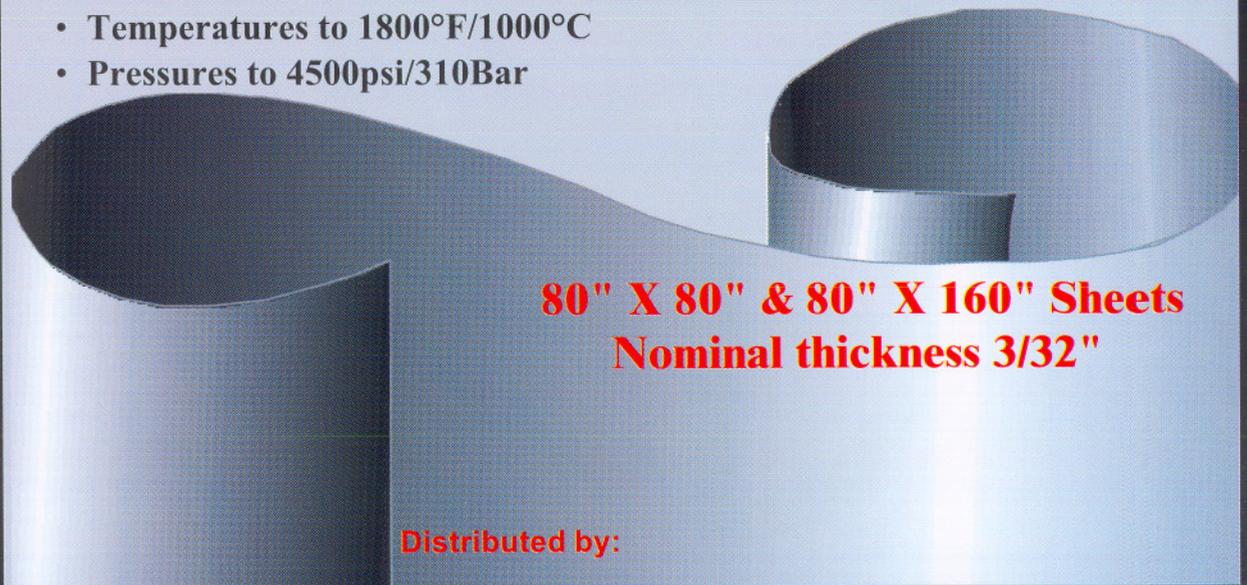
LEAF SPRING TECHNOLOGY

Metal Spring Reinforcement
Maintains Resilience During Thermal Cycles



Individual Weaving Yarn
Reinforced
with Stainless Steel strips

Slade's gasket that doesn't relax
2 to 1 pressure safety factor



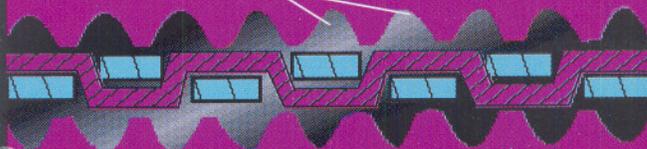
80" X 80" & 80" X 160" Sheets
Nominal thickness 3/32"

Distributed by:

The surface nodules illustrated here enhance flexibility and allow the graphite to flow into damaged surfaces to seal them

Graphite surface nodules flow into scratches and surface disruptions to seal badly oxidized and damaged flange surfaces

Graphite Nodules



SYMBOL LEGEND

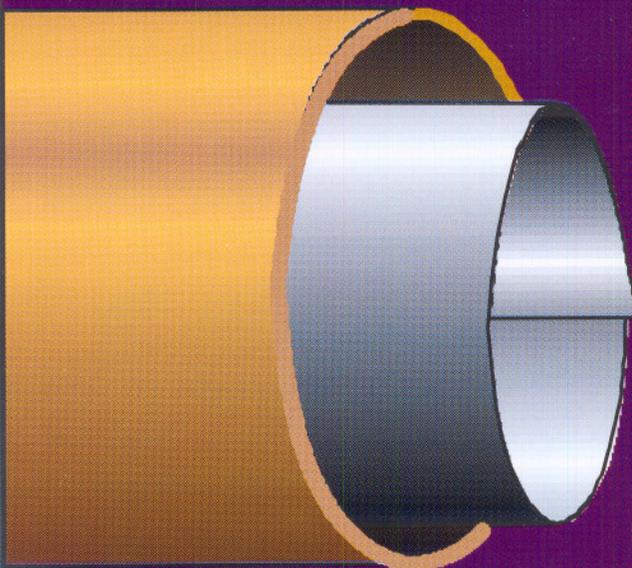


Lengthwise



Crosswise

304 SS rectangular strips encapsulated in graphite



Individually packaged in 3" cardboard tubes, eliminating shipping pallets

APPLICATIONS

- Ring & Full Face Gaskets
- Manhole & Handhole
- Diesel Exhaust Flanges
- Combustion Engine Head
- Turbine Cross Over
- Pressure Vessels
- Heat Exchangers
- Nuclear Services

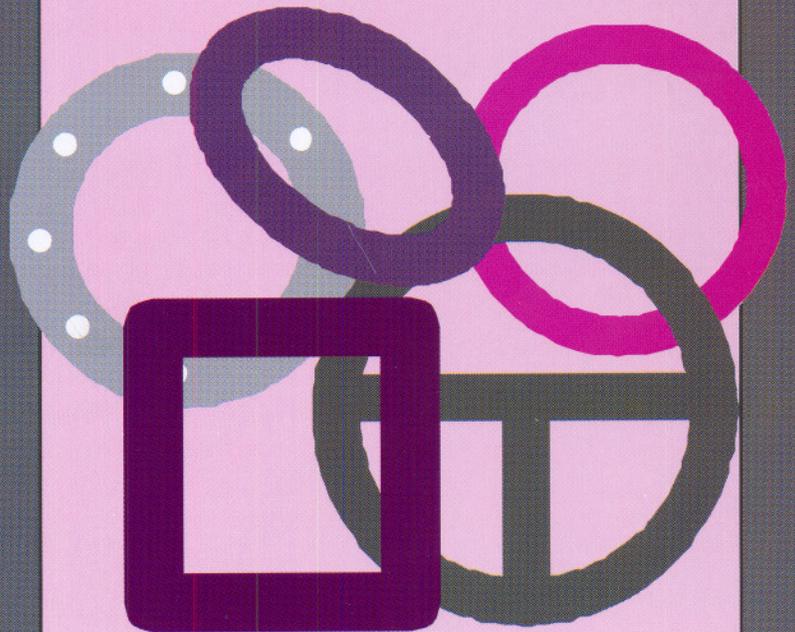


Stainless Steel Foil Encapsulated in Flexible Graphite Foil



Services

- Pressures to 4500psi/310bar
- Temperatures to 1800°F/1000°C
- Badly oxidized surfaces
- Takes physical abuse
- Maintains resilience through thermal cycles
- Avoids leak through spiral wound gasketing
- Leaf springs continually adjust to changes



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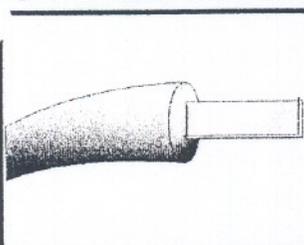
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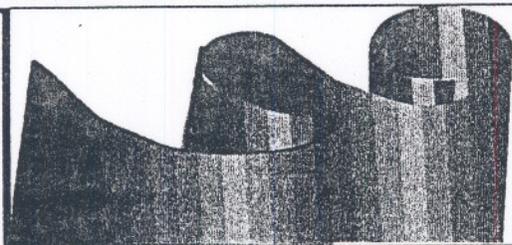
SLADE Pyro-Tex™ GASKET SHEET

sheet specs.

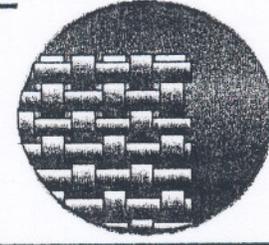
STAINLESS STEEL REINFORCED WOVEN GRAPHITE SHEET



Individual Strand



Flexible Sheet



Woven Structure

Patent protection: US patents # 6,110,591; # 5,683,778 + foreign patents

Construction: Woven & Compressed sheet gasketing

Description of weaving yarns: Individual flat 304 stainless steel foil strips (not wire) are encapsulated in a graphite matrix to form a unique metal/graphite yarn suitable for weaving 80"X 80" (or 80" X 160") sheets to form a high strength gasket material. The woven metal strips act as leaf springs to provide resilience during frequent thermal cycling. The sheet is compressed in hydraulic platens which imprint a textured surface on the sheet for excellent flexibility. The texture and flexibility has been described as being similar to cured leather. May be hand cut with sharp shearing scissors or shears. Wear protective gloves cutting.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	ENGLISH	METRIC
Density	75 lb/ft ³	1.20 gm/cm ³
Leachable Chlorides	<10 PPM	<10 PPM
Sulfur	< 360 PPM	< 360 PPM
ash content	< 0.74%	< 0.74%
compressibility	40%	40%
Recovery	30%	30%
Creep Relaxation	< 5%	< 5%
Tensile along length	2200 psi	13.79 MPa
Tensile along Width	2200 psi	13.79 MPa
Compressive Strength	35,000 psi	240 Mpa
Temperature Range		
Inert media	- 400 °F - 1400°F	200 to 760 °C
Steam	1200°F	650°C
Oxidizing media	-400 - 975°F	-200 to 525°C
Strong Oxidizers	Consult Factory	Consult Factory
Sealability MI/Hr	<0.5	<0.5
Maximum Pressure Limit	4500 psi	310 bar/ 31MPa
M Factor (Gasket Factor)	2	2
Y Factor (Gasket Stress)	1000 psi	6.9 MPa
P X T Factor	1170000	

Notes:

Release Agent: High Temp. acid/alkali resistant magnesium silicate. NUCLEAR service specify no release agent.

Typical properties: These are not to be taken as a warranty or representation for which Slade assumes legal responsibility. They are offered for your investigation and verification.

Slade Inc: 704/664-4222; website: www.slade-inc.com Yarns & Sheet are made in Mooresville, North Carolina USA